

Yamaha DGX-670 vs Roland FP-E50 Digital Piano: Specs, Price & Sound Quality

Meta Description: Compare Yamaha DGX-670 vs Roland FP-E50 digital pianos. Discover which offers better sound quality, features, and value for home players and performers.



Alt text: Yamaha DGX-670.

Key Takeaways

- The Yamaha DGX-670 excels in arranger capabilities and home studio integration with 263 preset styles and 16-track recording, while the Roland FP-E50 is known for its PHA-4 key action and portability for stage performers.
- Roland's FP-E50 features a more powerful 22W speaker system (2x11W) compared to the DGX-670's 2-way speaker system.
- The DGX-670 utilizes Yamaha's renowned CFX sound engine with 256-note polyphony and 601+ voices, while the FP-E50 combines SuperNATURAL and ZEN-Core engines for 1,000+ preset sounds.
- Get the [Yamaha DGX-670](#) at [Sam Ash](#) with full support, 24-month financing, and our 45-day return policy.

Yamaha DGX-670 vs Roland FP-E50: Which Digital Piano Wins?

Choosing between the Yamaha DGX-670 and Roland FP-E50 comes down to your specific playing needs, budget, and musical goals. These are both high-quality portable digital pianos that excel in different scenarios, representing fundamentally different design philosophies.

The Yamaha DGX-670 embodies the evolution of home digital pianos with comprehensive arranger capabilities, while Roland's FP-E50 represents a more performance-oriented instrument that balances portability with premium features.

Sam Ash: 100 Years of Music Expertise, Now Online
Your Trusted Music Store Is Back – Stronger Than Ever



Perfect Gear for Every Musician:

- **[Electronic Drums](#)**: Complete selection from beginner-friendly kits to professional studio setups. Get the authentic acoustic feel with modern convenience – perfect for home practice and recording.
- **[Digital Pianos & Stage Keyboards](#)**: Portable alternatives to premium acoustic pianos without sacrificing sound quality. Ideal for home players, live performers, and studio work.
- **[Synthesizers & Music Production](#)**: A full range of analog and digital synths, grooveboxes, and production gear for beat-making, sound design, and studio sessions.
- **[Professional Recording Gear](#)**: Everything you need for your home studio setup, from interfaces to monitors, backed by expert consultation for high-value purchases.

Why Musicians Choose Sam Ash:

- ✓ Family-owned U.S.A. 100-year legacy of music expertise
- ✓ Personalized service and help from fellow pro musicians
- ✓ Multiple financing options: 0% interest financing, no-credit financing, buy-now-pay-later
- ✓ Large selection from the best brands in music and sound
- ✓ Fast, free shipping on 1000s of items within the USA
- ✓ Famous flash sales and mega deals

Get Expert Guidance:

Whether you're a savvy musician seeking confirmation or a beginner needing guidance, our music ear experts help ensure you make the right choice for your music and budget. From bedroom producers to professional studios – we've got your sound covered.

[SHOP SAM ASH NOW →](#)

Which Digital Piano Wins? DGX-670 vs FP-E50 Head-to-Head

Specifications Comparison Table

Feature	Yamaha DGX-670	Roland FP-E50
Price	\$799.99 at Sam Ash	~\$729 (not at Sam Ash)
Weight	Not specified (portable)	17.1 kg (37.7 lbs)
Key Action	GHS Weighted Action	PHA-4 Standard with Ivory Feel
Polyphony	256 notes	256 voices
Sound Engine	Yamaha CFX + VRM	SuperNATURAL + ZEN-Core
Sounds	601 voices + 29 drum/SFX kits	1,000+ preset sounds
Styles/Rhythms	263 preset styles	100+ accompaniment styles
Speakers	12cm x 2 + 5cm x 2 (bi-amp)	2x 12cm (2x 11W = 22W total)
Bluetooth	MIDI only	Audio + MIDI
Recording	Yes (multi-track)	Yes (audio files WAV)
Microphone Input	Yes	Yes (with vocal effects)

Target Audiences

The [Yamaha DGX-670](#) appeals to:

- Home users wanting a comprehensive musical workstation
- Composers and arrangers needing multi-track recording
- Families with multiple musicians
- Songwriters with microphone input needs
- Those prioritizing arrangement capabilities

The **Roland FP-E50** targets:

- Performing musicians needing stage reliability
- Players prioritizing premium key action

- Those requiring portable performance setup
- Musicians wanting extensive sound library (1,000+ sounds)
- Performers who use [microphone](#) with vocal effects

Sound Quality Face-Off: SuperNATURAL + ZEN-Core vs CFX + VRM



Caption: Sound quality is the foundation of any digital piano. Both manufacturers implement their flagship technologies with distinct philosophies.

Alt text: Yamaha DGX-670 digital piano front view.

Yamaha's CFX Sound Engine with VRM

The Yamaha DGX-670 utilizes the acclaimed CFX sound engine, which meticulously samples their 9-foot concert grand piano.

The CFX captures the nuances of hammer action, string resonance, and damper response through Yamaha's Virtual Resonance Modeling (VRM) technology.

Key Sound Features:

- Yamaha CFX Concert Grand sampling
- Virtual Resonance Modeling (VRM)
- 601 preset voices + 29 drum/SFX kits
- Super Articulation Technology for expressive non-piano instruments
- 256-note polyphony
- Bright, clear tone that cuts through in ensemble settings
- Slightly brighter upper register, powerful bass

The CFX engine provides immediate familiarity to pianists accustomed to [Yamaha grand pianos](#), with a bright, clear tone that cuts through in ensemble settings.

The implementation of VRM adds subtle details like sympathetic string resonance and damper noise that respond naturally to your playing and pedaling.

Super Articulation Technology delivers natural expression to non-piano instruments, making [strings](#), brass, and woodwinds sound remarkably realistic.

Roland's SuperNATURAL + ZEN-Core Hybrid System

The Roland FP-E50 implements a hybrid sound system combining their SuperNATURAL Piano modeling with the ZEN-Core synthesis engine.

Rather than relying solely on samples, this approach uses algorithmic modeling to recreate piano physics in real time.

Key Sound Features:

- SuperNATURAL Piano sound generation
- ZEN-Core sound engine integration
- 1,000+ preset sounds (including drum kits)
- 256-voice polyphony
- Warm, rounded tone with strong mid-range
- Roland Cloud integration for expandable sounds
- Real-time modeling for seamless dynamic transitions

The modeling approach excels in creating smooth transitions between dynamic levels without the "stepped" feeling sometimes present in sample-based instruments.

The addition of the ZEN-Core engine provides access to Roland's vast sound library, extending the sonic palette well beyond traditional piano sounds into synthesizer and orchestral territory.

Piano Tone Authenticity: Which Sounds More Like a Real Piano?

The question of piano authenticity is subjective and depends on your frame of reference.

Yamaha DGX-670 Character:

- Bright, clear Yamaha concert grand character
- Immediate presence for contemporary styles
- Distinctive Yamaha upper register brightness
- Powerful, defined bass response
- Familiar to those who play Yamaha acoustics
- VRM adds realistic sympathetic resonance

Roland FP-E50 Character:

- Warmer, more rounded tone
- Strong mid-range frequencies (where piano music lives)
- Organic response to subtle techniques
- Smooth dynamic transitions (modeling advantage)
- More varied tonal colors in expressive playing
- Particularly strong for solo classical repertoire

For Classical Music: The Roland's warmer tone and organic modeling often appeal to classical pianists, particularly for solo repertoire requiring subtle tonal control.

For Contemporary/Pop: The Yamaha's brighter, more present tone cuts through better in ensemble settings and contemporary arrangements.

Sound Library Size: 601 vs 1,000+ Voices



Caption: The numbers tell an interesting story: Roland offers more sounds, but Yamaha's library is carefully curated with exceptionally high-quality voices.

Alt text: Yamaha DGX-670 digital piano sitting by a large window.

Yamaha DGX-670:

- 601 high-quality voices carefully curated
- 29 drum/SFX kits
- 480 XG voices
- Super Articulation Technology for realistic instruments
- Focus on quality over quantity
- Covers virtually every instrumental need

Roland FP-E50:

- 1,000+ preset sounds through ZEN-Core
- Extensive synthesizer sounds
- Sound effects and electronic tones
- Roland Cloud expandability

- Strong for electronic music and sound design
- More experimental sound options

Price Analysis and Value

Current Pricing

Yamaha DGX-670:

- NOW: \$799.99
- Was: \$849.99
- MSRP: \$1,299.00
- Total Savings: \$499.01
- 24-Month Financing: \$34/month
- Full Sam Ash support included

Roland FP-E50:

- Approximately \$729

Long-Term Investment Considerations

Yamaha DGX-670:

- Proven Yamaha reliability
- CFX engine is mature, established technology
- Features a stable, established operating system
- GHS action provides a reliable, weighted feel
- Excellent long-term investment for home studios
- Strong home/studio investment

Roland FP-E50:

- PHA-4 action maintains consistency longer
- ZEN-Core is Roland's current flagship technology
- Ongoing Roland Cloud support and updates
- More future-proof sound engine
- PHA-4 action offers a consistent tactile response
- Popular choice for serious stage performers

Disclaimer: Prices and specifications are subject to change. Please verify current pricing and availability on the [Sam Ash website](#) before making a purchase decision.

Why Buy the DGX-670 from Sam Ash



Caption: [Sam Ash](#) has been serving musicians since 1924. We understand digital pianos and can help you find the perfect match for your needs.

Alt text: Yamaha DGX-670.

Expert Piano Specialists

Our Gear Expert Team includes experienced pianists and teachers who can explain the DGX-670's extensive features and help you understand its capabilities via phone or chat. We'll help you master the arrangement styles, recording features, and app integration.

Complete Setup Guidance

Our specialists will help you understand:

- How to use the 263 auto-accompaniment styles
- Recording techniques with the multi-track system
- Smart Pianist and Chord Tracker app integration
- Optimal settings for your musical style
- Connecting to computers and recording software

Financing Options

With 24-month financing, the DGX-670 is accessible at just \$34/month, making this comprehensive musical workstation affordable for families and students.

45-Day Return Policy

Our generous [return policy](#) gives you time to explore features and ensure it meets your needs.

Free Shipping

Orders over \$49 [ship](#) free.

[Shop the Yamaha DGX-670 today!](#)

Frequently Asked Questions (FAQs)

Can the Yamaha DGX-670 be used as a MIDI controller for recording software?

Yes, the Yamaha DGX-670 functions effectively as a MIDI controller for DAW software through its USB to Host connection. The GHS weighted keyboard transmits velocity data with good resolution, and the physical controllers send standard MIDI CC messages that most software recognizes automatically.

How does the Yamaha DGX-670's accompaniment compare to dedicated arranger keyboards?

The DGX-670 offers approximately 80–90% of the functionality found in Yamaha's dedicated arranger keyboards like the PSR-SX series, but with significantly better piano sounds and weighted key action.

Can I expand the sound library on both pianos?

Yamaha DGX-670:

- Allows loading additional voices via USB flash drive
- Supports Yamaha's standard expansion pack format
- Expansion packs include specialized collections (world instruments, vintage keyboards)
- Straightforward loading through instrument interface
- Somewhat limited by available memory
- 601+ included voices typically sufficient for most users

Roland FP-E50:

- Extensive expansion through Roland Cloud integration
- Subscription service provides ever-growing sound library
- Detailed recreations of classic Roland synthesizers
- Some free content, premium sounds require subscription
- Depends on Roland's continued platform support

- 1,000+ included sounds already comprehensive

For most users, the included libraries in both instruments cover virtually all musical scenarios, with expansion primarily appealing to specialists or those interested in vintage synthesis.

What warranty comes with the DGX-670?

The Yamaha DGX-670 includes Yamaha's standard manufacturer warranty. Specific warranty terms vary by product. At [Sam Ash](#), we also offer extended warranty options for additional protection. Contact us at 800-472-6274 for complete warranty information.

Disclaimer: Prices and specifications are subject to change. Please verify current pricing and availability on the [Sam Ash website](#) before making a purchase decision.